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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/885,819	06/20/2001	Akihiko Matsuoka	MAT-8154US	4372
7	12/16/2004		EXAMINER	
RATNER AND PRESTIA			DEANE JR, WILLIAM J	
Suite 301, One Westlakes	Berwyn		ART UNIT	PAPER NUMBER
P.O. Box 980			2642	
Valley Forge,	PA 19482-0980		DATE MAILED: 12/16/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner
William J Deane 2642
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filled after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely, The period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely, The period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely, The period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely, The period for reply specified above is less than thirty (30) days, a reply within the period for reply and vall explicit (50) days will be considered timely, The period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely, The period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely, The period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. The period for reply specified to the provider of the period for reply and the per
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12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a)⊠ All b)□ Some * c)□ None of:
 Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No
3. Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
Attachment(s)
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date.
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 1. 5) Notice of Informal Patent Application (PTO-152) 6) Other:
J.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office Action Summary Part of Paper No./Mail Date 10041211

Application/Control Number: 09/885,819

Art Unit: 2642

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 – 28 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Application No. 2001/0030581 (Dent).

With respect to claims 1 –28, note that Dent teaches the device as claimed by applicant by. Note that pre-distortion is well known in the art, paragraph 40. This would be the non-linear distortion compensator as claimed in the instant claim. In addition, note first quadrature modulator 302, second quadrature 304, main power amplifier 312, non-linear distortion extractor, note VCC in Fig 1, or VCO and/or 802 Fig. 8, auxiliary power amplifier 314 and modulation signal synthesizer 320. See also paragraphs 68, 154, 159 – 161, 171 – 172, and 185 – 186.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- U.S. Patent No. 6,751,447 (Jin et al.) note Figs.;
- U.S. Patent No. 6,567,478 (Oishi et al.) note Figs.;

Application/Control Number: 09/885,819 Page 3

Art Unit: 2642

U.S. Patent No. 6,512,417 (Booth et al.) - note Figs.;

U.S. Patent No. 6,366,177 (McCune et al.) - note Figs.; and

U.S. Patnet No. 5,909,642 (Suzuki) - note Figs.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bill Deane whose telephone number is (703) 306-5838. In addition, facsimile transmissions should be directed to Bill Deane at facsimile number (703) 872-9306.

11Dec04

WILLIAM J. DEANE, JR. Primary Examiner